

In the Claims

The status of claims (as originally numbered) in the case is as follows:

1-3. (Canceled)

1 4. [Previously presented] A method for monitoring a
2 computer software system by reading log records written by
3 said software system to determine performance of said
4 software system relative to response time to end users,
5 comprising:

6 adjustably tuning performance evaluation bias by a
7 computer software monitoring system between processor
8 and memory consumption;

9 responsive to said bias, monitoring performance of said
10 computer software system with respect to transaction
11 time parameters including said response time to end
12 users;

13 receiving from a user a first tuning parameter for
14 allocating memory for said monitoring performance and a
15 second tuning parameter for specifying time out for in-
16 flight units of work;

17 initializing said memory with an in-flight transactions
18 vector table for anchoring synonym chains of in-flight
19 transaction cells;

SVL920030040US1

2

S/N 10/724,327

20 accumulating time statistics for in-flight transactions
21 in said in-flight transaction cells;

22 initializing said memory with a completed transactions
23 table for storing time statistics for completed
24 transactions;

25 receiving from said computer software system a
26 transaction log record for a unit of work;

27 hashing said first transaction log record to select
28 from said vector table an anchor to an in-flight
29 transaction cells chain corresponding to said unit of
30 work;

31 searching said in-flight transaction cells chain for
32 said unit of work;

33 responsive to finding said unit of work in said in-
34 flight transaction cells chain, capturing to said in-
35 flight transaction cell timing statistics from said
36 transaction log record;

37 responsive to not finding said unit of work in said in-
38 flight transaction cells chain, chaining a new in-
39 flight transaction cell to said chain and capturing to
40 said new in-flight transaction cell timing statistics
41 from said transaction log record; and

42 determining if said transaction log record completes a
43 transaction and, if so, updating said completed
44 transactions table with timing statistics for said

SVL920030040US1

3

S/N 10/724,327

45 transaction and removing said in-flight transaction
46 cell from said in-flight transaction cells chain.

1 5. [Previously presented] A method for monitoring a
2 computer software system by reading log records written by
3 said software system to determine performance of said
4 software system relative to response time to end users,
5 comprising:

6 adjustably tuning performance evaluation bias by a
7 computer software monitoring system between processor
8 and memory consumption;

9 responsive to said bias, monitoring performance of said
10 computer software system with respect to transaction
11 time parameters including said response time to end
12 users;

13 receiving from a user a first tuning parameter for
14 allocating memory for said monitoring performance and a
15 second tuning parameter for specifying time out for in-
16 flight units of work;

17 initializing said memory with an in-flight transactions
18 vector table for anchoring synonym chains of in-flight
19 transaction cells;

20 accumulating time statistics for in-flight transactions
21 in said in-flight transaction cells;

22 initializing said memory with a completed transactions
23 table for storing time statistics for completed

SVL920030040US1

4

S/N 10/724,327

24 transactions;

25 receiving from said computer software system a
26 transaction log record for a unit of work;

27 hashing said first transaction log record to select
28 from said vector table an anchor to an in-flight
29 transaction cells chain corresponding to said unit of
30 work;

31 searching said in-flight transaction cells chain for
32 said unit of work;

33 responsive to finding said unit of work in said in-
34 flight transaction cells chain, capturing to said in-
35 flight transaction cell timing statistics from said
36 transaction log record;

37 responsive to not finding said unit of work in said in-
38 flight transaction cells chain, chaining a new in-
39 flight transaction cell to said chain and capturing to
40 said new in-flight transaction cell timing statistics
41 from said transaction log record;

42 determining if said transaction log record completes a
43 transaction and, if so, updating said completed
44 transactions table with timing statistics for said
45 transaction and removing said in-flight transaction
46 cell from said in-flight transaction cells chain; and

47 determining responsive to said second tuning parameter
48 if a selected unit of work being accumulated in a

SVL920030040US1

5

S/N 10/724,327

49 selected in-flight transaction cell has timed out, and
50 if so removing from said selected in-flight transaction
51 cell from said in-flight transaction cell chain and
52 selectively updating said completed transactions table
53 with timing statistics for said selected unit of work.

Claims 6-12 (Canceled)

SVL920030040US1

6

S/N 10/724,327